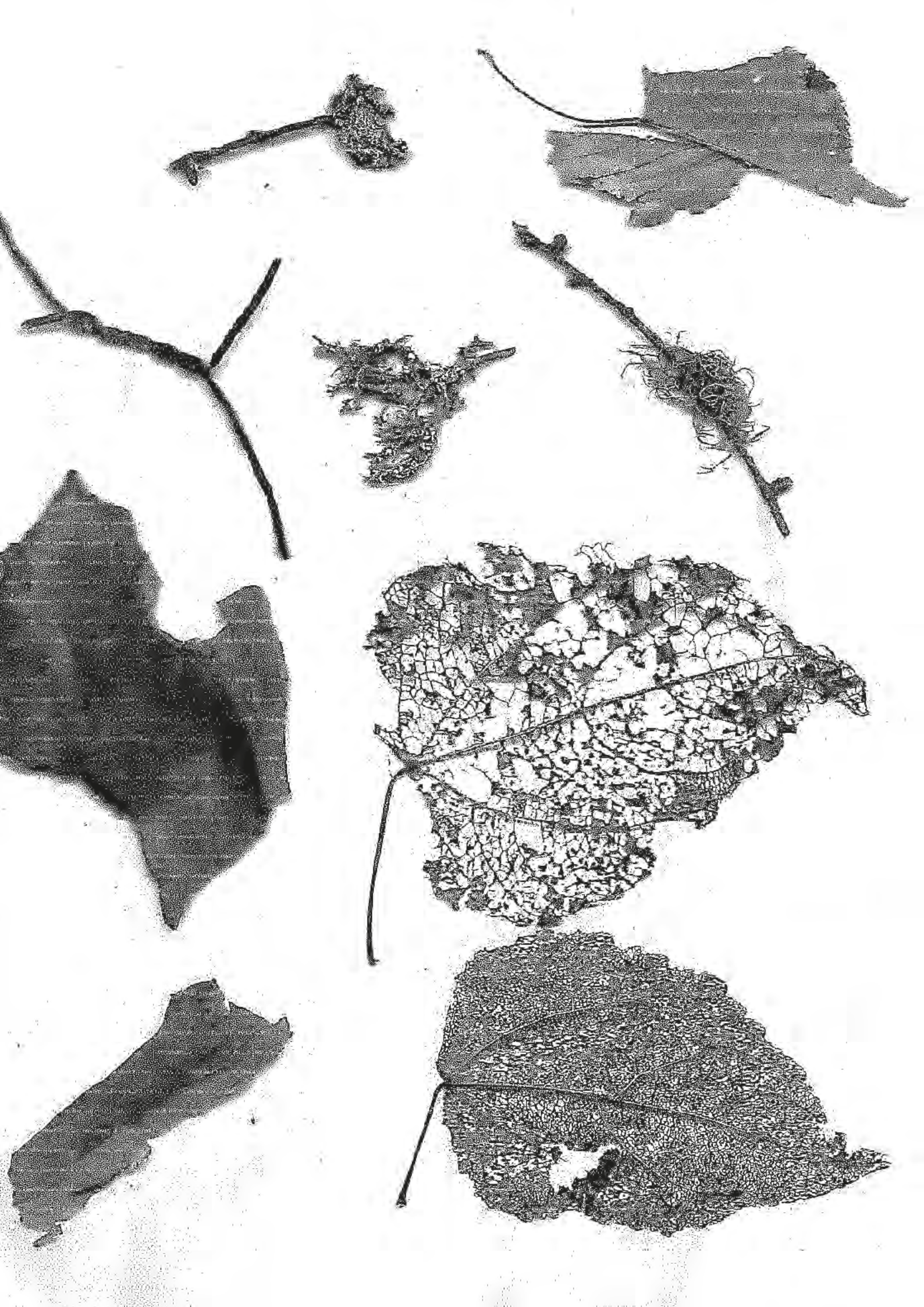




MULTI
SPECIES
RE
SEARCH
ALMANAC

VOL. 1, AUGUST 2025

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MULTISPECIES RESEARCH ALMANAC

THIS ALMANAC EMERGED FROM THE FOUR-DAY SUMMER SCHOOL **"PERMA~CULTURAL THINKING IN MULTISPECIES RESEARCH"** HELD ON 21-23 AUGUST IN BUDWEIS (CZ), AS PART OF THE ARS BIOLOGICA INDEPENDENT STUDIES PROGRAM.

AS A GROUP OF 16 (OTHER-THAN) HUMANS FROM ACROSS ART, **DESIGN, AND SCIENCE**, WE CAME TOGETHER TO CO-CREATIVELY EXPLORE MULTISPECIES RELATIONS AND TENSIONS SHAPING THE LANDSCAPES IN AND AROUND US.

AMONG OUR MANY POINTS OF DEPARTURE WERE **PERMA~CULTURAL PRACTICES** AND PRINCIPLES (INCLUDING THEIR CHALLENGES), WHICH WE APPROACHED AS BOTH A CRITICAL LENS AND A GUIDING METAPHOR FOR NAVIGATING OUR COLLECTIVE RESEARCH PROCESS.

OUR COLLABORATION BEGAN WITH A MAPPING OF DIVERSE METHODOLOGICAL APPROACHES, TOOLS, AND WAYS OF KNOWING THAT WE HAVE USED OR ENCOUNTERED IN OUR VARIOUSLY SITUATED **MULTISPECIES INQUIRIES**.

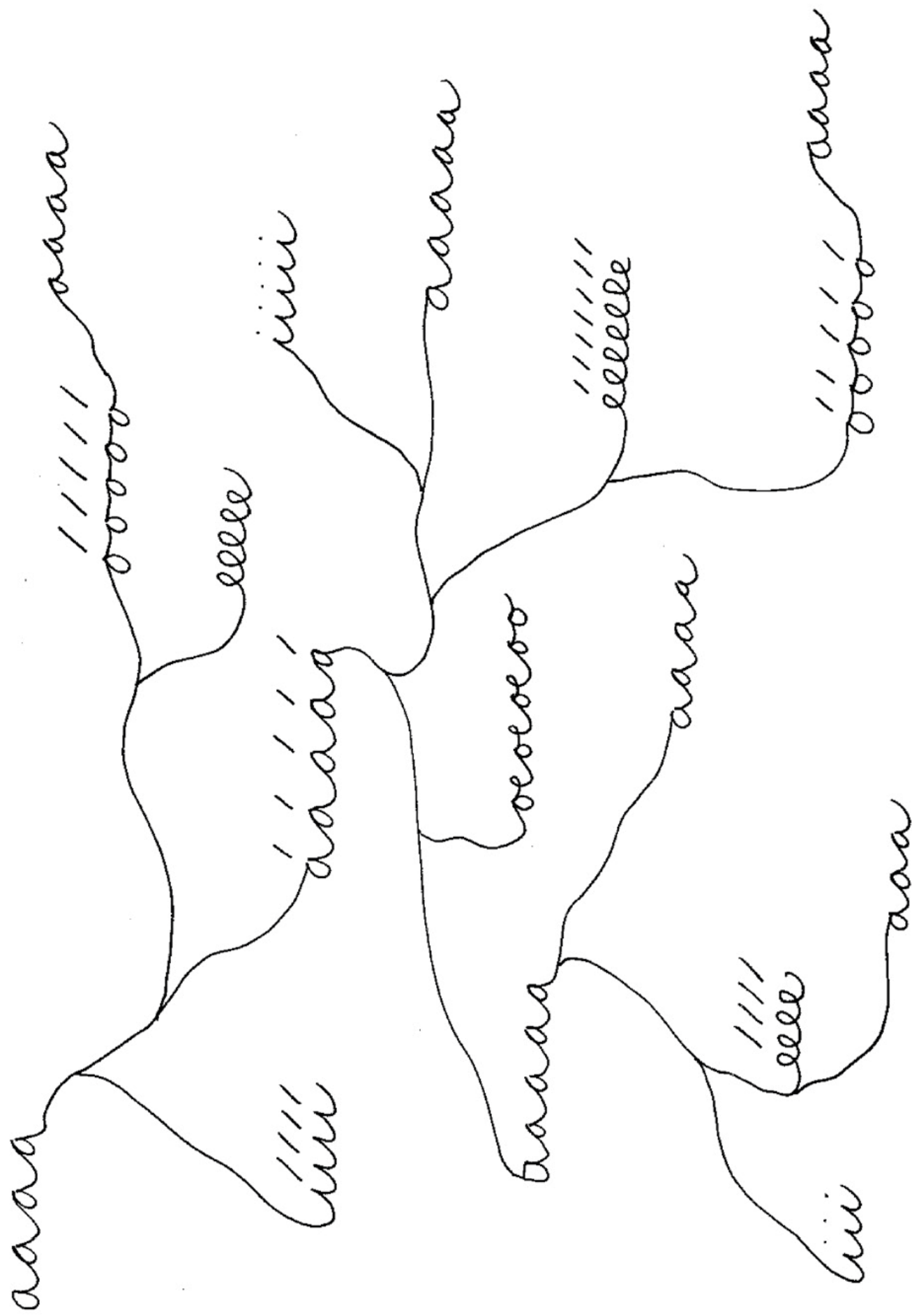
ON DAY 2, WE WENT OUT TO EXPLORE WHAT OUR APPROACHES CAN DO, WHEN WE APPLY THEM TOGETHER, THROUGH AN EXPERIMENTAL **FIELDWORK** IN THE NEARBY KLUK FOREST.

WORKING BOTH INTUITIVELY AND ANALYTICALLY, SENSORIALLY AND VERBALLY, SPONTANEOUSLY AND SYSTEMATICALLY, WE ENGAGED ONE ANOTHER IN SMALL RESEARCH EXPERIMENTS - FROM AN AUDIAL EAR CLEANING TO BLINDFOLD NAVIGATION THROUGH THE FOREST TERRAIN - AND REFLECTED ON OUR **WAYS OF KNOWING** AND APPROACHING THE LOCAL MULTISPECIES LANDSCAPE.

TO CAPTURE OUR PROCESS (WALKING, CRAWLING, LYING DOWN, SITTING UP, EATING, LISTENING, CHATTING, DRIFTING, AND MORE) WE USED OUR SENSES AS WELL AS VARIOUS OTHER MEDIA. THE COLLECTED INSIGHTS PROVIDED THE INITIAL MATERIAL FOR THE ALMANAC THAT YOU ARE READING RIGHT NOW.

THE ALMANAC WILL CONTINUE TO GROW IN THE COMING YEARS, ALONGSIDE OUR ONGOING CO-CREATIVE INVESTIGATION, WHICH WILL CULMINATE IN THE ARS **BIOLOGICA FESTIVAL** 2028.

WE HOPE YOU ENJOY READING THIS FIRST VERSION. IF YOU WOULD LIKE TO JOIN US IN MAKING FUTURE ALMANAC EDITIONS, PLEASE LET US KNOW AT MARKETA.DOLEJSOVA@AVU.CZ!



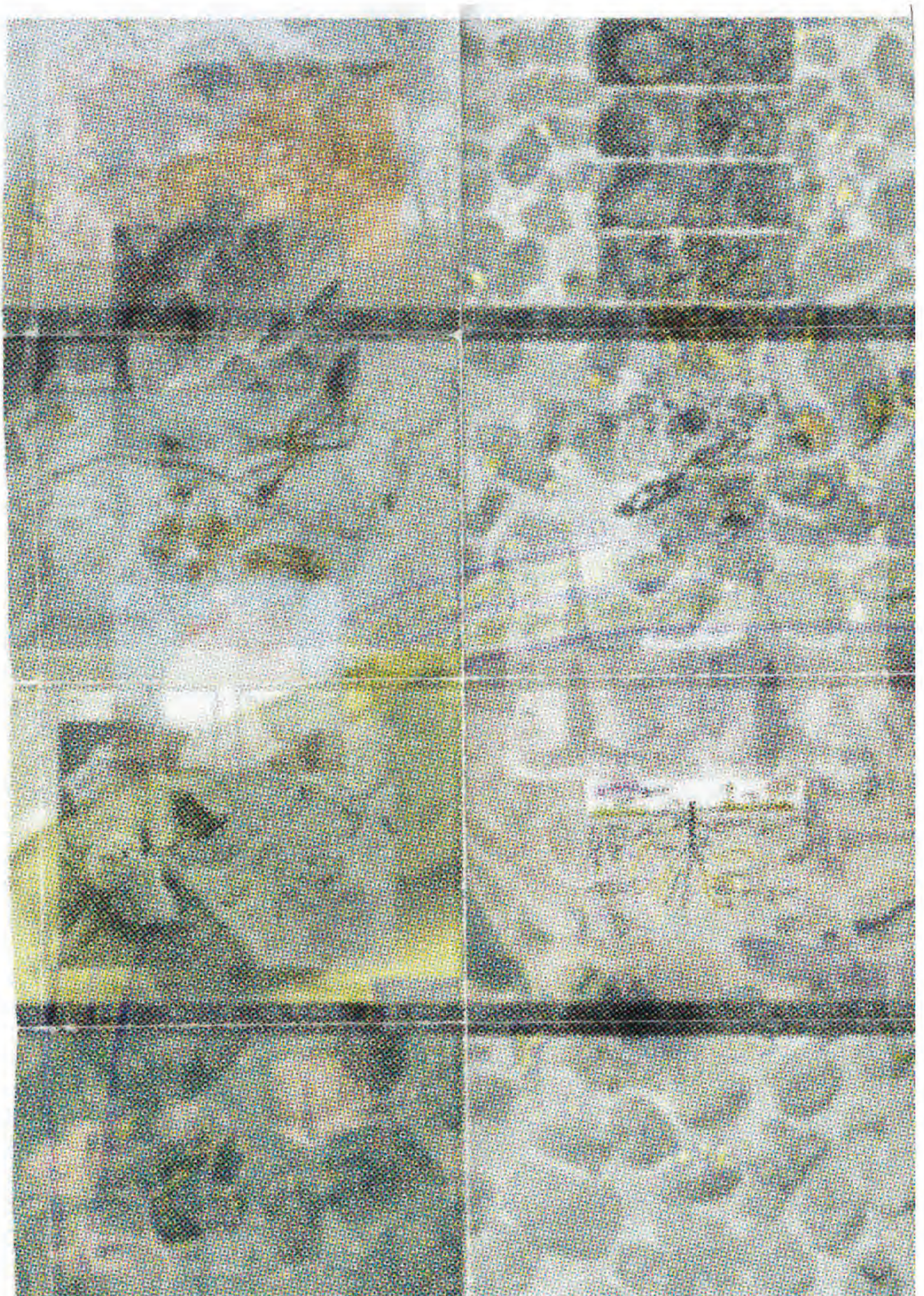
GAP GAP > TRHLINA RIFT KŘEHKOST CRACK
PRASKLINA WOUNDSPACE WOUNDSCAPE IMPRINTS MIZE-
JÍCÍ ROZPLÝVAJÍCÍ SE TOGETHER ENTANGLEMENT GROWING
THROUGH EACH OTHER MEZISPOJENÍ INTERCONNECTION SPOLU
TVORSTVO NURTURING COMPLEXITY HOW TO DO EMBODIED PRA-
CTISES IN VIOLENT ENVIRONMENT NEPOŘÁDEK CHAOS SYSTEM
ROZVÍŘIT ROZRUŠIT STIR UP ROVNOVÁHA MICRO VS MACRO
SROSTENEC SYMBIOSIS WELLBEING MUTUAL INTERACTION HUMAN
FOREST CYCLE CÍTĚNÍ HOUBIT [FUNGOVAT] HLOUBAT ŽIVOTVAR
ČAS ČLOVĚKA [CHRONOS] ČAS PŘÍRODY [KAIROS] SLOW ROZENÍ
SPIRALS LIMITED LIVES RYTMUS LEŠA CYCLE FALLING LEAVES
FALLING TREES GRAVITY INCONSISTENCY = CONSISTENCY RADICAL
TENDERNESS MORE WILDERNESS ŠKATULKA VYCÍTIT ROZSMYSLIT
MYSTERIOUS UNKNOWN INTIMATE MATERIAL THINKING VÝŽIVA DÝCHAT
SKRZE MECH VIDĚT SKRZE STROM MATERIALITY PÍT LES MRTVÉ DŘEVO
INVISIBLE NON-REACHABLE NEUCHOPITELNÉ MYŠLENKY NEHMOTNÁ PŘÍRODA
ABIOTIC SPECIES WIND SUNLIGHT CONSCIENCE VOLCANISM TEC-
TONICS GEOLOGY TACKLING HUMAN PROJECTIONS ONTO OTHER SPECIES
BIOTIC AGENCY ~~LANGUAGE~~ LANGUAGE [NE]BÝT [NE]MÍSTNÍ DIALOG
THEROLINGUISTICS SPOLEČNÉ ŠITÍ NITEK SLOV HRANICE
PŘÍRODNÍ X UMĚLÉ KAPLIČKA V LESE TEMELÍN NA OBORY PŘELÉVÁNÍ BOUND-
ARIES BLÍZKOST LAYERS TRAVERSEE PODOZUMĚT SMRTI DENOISING
KNOWING < SENSING RESONANCE TICHŮ ATTENTION O NÁVRAT
VEMOVAT SENSATION IS AN INVITATION PŮV UNVEILING PERCEPTION PRAKTEM
INTRA-ORDINARY POTKÁNÍ ADAPTABILITY TRANSFORMATION OTHERWAY ROUND
OVERSHARING OVERPERCEIVING HUMAN AS A GUEST FOREST AS A HOST
BODIES OF EVENTS [HYPEROBJECTS] MY MÁME TU MUDROST BEING
RESEARCHED BY BIRDS / SPIDERS HUMAN ROLE



COPY / PRINT OF
SOIL NEXT TO ROAD

2011





SOME CARRIED PIECE
OF GRANITE (AND SOME CONCRETE)
TO THE TOP OF K2UK (741m)



SOMEONE CARRIED A PIECE
OF GRANITE DOWN FROM THE TOP
OF KLUK (741m) TO C. BUDĚJOVICE (297m)

We propose a couple of prompts for noticing these situations:

1. Imagine what the space you happened to will look like in 100 000 years.
2. Go to a non urban space close to you, stay there in silence for 15 minutes and notice what happens around you.
3. Think of an object that defies human intention, describe what it achieves.
4. Climb a mountain.
5. Swim in a river and feel the stream flowing towards the ocean.



Thinking about multispecies research the question for the nature of species comes up. Is it animals/plants/fungi with similar morphology and behaviour that can interbreed? Is it philosophical categories of terms with characteristics that allow us to treat them as a group?

Or do we want to include phenomena that are not living by definition, but powerful entities of our world?

From an ecological point of view it seems useful not only to protect single species but habitats, whole systems of interdependence that support life. The amount of sunlight for example is something that obviously has an impact here (maybe the biggest), and it is something that is being changed by human behaviour. The sensual experience of the sun was personified by humans in different spaces and times. Do we find ways of thinking about the sun, or wind or radioactivity or tectonic uplift in ways that doesn't rely on humanization?

Why do we tend to distinguish between living and non-living organisms? Could this be a way of allowing ourselves as humans to control and use the environment for its resources, to make the separation to be ruthless enough for destruction.

On the other hand, it can be passivizing to just say "everything affects each other", but if we notice what these entities around us really do.

For example, I encountered a landslide in urban space that prevented construction of buildings on its territory. Subsequently, this protected the present ecosystem. Even though measuring is an empiric tool, this example is interesting, because geologists who were monitoring it noticed that construction happening near the landslide affected its activity.

Hurricanes and meteorological events lead people to abandon coastlines, which is in long term a potentially positive thing, due to rising level of coastlines. *This seems cynical from the human perspective, because it seems like desensitised to the human condition, but in the larger scale of ecological systems it can be a "good thing". Although these moral reflections are a slippery slope. Is our ability to think about the goals of a tree bigger than to think about the goals of abiotic entities? Can we really distinguish their intentions?*

Quote:

[...] romanticization can in a way be understood as a manifestation of the broader problem of the reification of resistance in binary oppositions. This problem presupposes the plot of an always clearly delimited, even mutually exclusive, binary of a dominating and a dominated evading domination through resistance. In such a framework, reification of resistance can take place alongside various binaries (e.g. nature : culture, inside : outside, expert : vernacular, owner : worker, planner : unplanned, control : improvisation, local : global) sharing a common binary structure.

Bob Kuřík

Towards an Anthropology of More-Than-Human Resistance: New Challenges for Noticing Conflicts in the Plantationocene

SOCIÁLNÍ STUDIA / SOCIAL STUDIES 1/2022







1

(Ne)Hmotná výživa (In)tangible nourishment

Mrtvé dřevo, nikdy nejsme jenom jeden

V lesích neleží mrtvé dřevo - je tedy opravdu lesem ?

Každý padlý kmen je patro v bohatém složení, domov pro (ne)lidi...houby, hmyz.

Nejsme jen jeden - my stromy, my houby, my lesní tvorové -
spolutvoříme.

Mrtvé dřevo není odpad, ale cennost, je útočiště, domov bio-
diversitě, obrana.

Bez této ochranné vrstvy má kůrovec v lese příliš místa sám
pro sebe.

Les jako celek: druhy, vrstvy, (bio)diverzita.

Nechat umřít, být cyklus - a v tom je naše odolnost.

Kdo touží po nesmrtelnosti stromu, mívá že právě v přijetí
smrti se skrývá síla lesa.

Mrtvé dřevo nechme ležet - a nechme les být lesem.

Dead wood, we are not just one

There is no dead wood lying in the forests - so is it really a forest?

Every fallen trunk is a layer in a rich composition, a home for (non-)humans... fungi, insects.

We are not just one - we trees, we fungi, we forest creatures - we co-create.

Dead wood is not waste, but a treasure, a refuge, a home for biodiversity, a defense.

Without this protective layer, bark beetles have too much space for themselves in the forest.

The forest as a whole: species, layers, (bio)diversity.

Let it die, let it be a cycle - and therein lies our resilience.

Those who long for the immortality of trees fail to see that it is in the acceptance of death
that the strength of the forest lies.

Let dead wood lie - and let the forest be a forest.



(Ne)Hmotná výživa (In)tangible nourishment

Ostružiník (Rubus)

Divoká prasata se mihnou na silnici, v houštích jsou neviditelná.

Umět se prodírat ostružinami - škrábat se, odháčkovávat ostny - cesta k pochopení lesa?

Ostružiny nejsou jen dezert, jsou živinou, odměnou, připomenutím...

Převtělit se do prasete, cítit trny v houštích na kůži, poznat tvrdost a měkkost. Je to učitelka odolnosti bez hrubosti. Bez poznání tvrdých ostnů se ale nelze spřátelit s přírodou.

Jemnosti x tvrdost, bolesti x radost, dvě strany lesní mince.

Kdo přijme ostny, ochutná plody.

Kdo proleze houštím, najde skrze sebe propojení s lesem.

Blackberry bush (Rubus)

Wild boars dart across the road, invisible in the thicket.

Knowing how to push through blackberries - scratching, unhooking thorns - the path to understanding the forest?

Blackberries are not just a dessert, they are nourishment, a reward, a reminder...

To transform into a boar, to feel the thorns in the thicket on your skin, to know hardness and softness. It is a teacher of resilience without harshness. But without knowing the hard thorns, it is impossible to befriend nature.

Softness x hardness, pain x joy, two sides of the forest coin.

Those who accept the thorns will taste the fruits.



(Ne)Hmotná výživa (In)tangible nourishment

Pít les

Svítlí slunce, vstupujeme do lesa.

Učíme se jak les pije. Stromy skrze brčka pumpují vodu z půdy : z micelia, z kořenů, skrze kmen, až ke koruně, kde se voda vypaří do vzduchu, který dýcháme.

Když my vyjdeme až nahoru, naše těla se zahřejí a máme žízeň.

Posbíráme listy břízy, borůvky, listy ostružiní a kopřivy.

Vrátíme do města a přijde opět žízeň.

Stýská se nám, les nám chybí.

Společně uvaříme lesní nápoj z nasbíraných listů a naše těla se napijí vzpomínek lesa.

I na dálku zůstáváme spolu.

Drink forest

The sun is shining, we enter the forest.

We learn how the forest drinks. Trees pump water from the soil through straws: from the mycelium, from the roots, through the trunk, up to the crown, where the water evaporates into the air we breathe.

When we climb to the top, our bodies warm up and we get thirsty.

We gather birch leaves, blueberries, blackberry leaves and nettles.

We return to the city and feel thirsty again.

We miss the forest.

Together, we brew a forest drink from the leaves we have gathered, and our bodies drink in the memories of the forest.

Even from a distance, we remain together.

Those who crawl through the thicket will find a connection with the forest through themselves.





MAPPING REBUILDING
PUBLIC SPACES

MATERIALIZING
ABSTRACT TERMS
THROUGH PRACTICE

SENSING + DATA
EXPLORING
DISTINGUISHING

FOCUS - CHALLENGING
OF SOUND

DEAF LISTENING
as a critical
methodology

SENSES

INITIALS

Dis Embodiment

Tech
mediation

STAGE
Nathaniel's forgetting
communicating through
no senses

STAGE PRACTICE

INDIGO
BLUE PRINTING
WORKSHOP

EXTRACTING
LOOKS FROM PLANTS

CULTURAL
HERITAGE > CONSERVATION

INTERVIEW
INTERVIEW
INTERVIEW

LEATHER
FROM
KUMBUCHA

ROOT
MATERIALS

NON PLACES

TRACING SHAPES

TRACING FORMS

TRACING

SKIN FOLDS
ENCOUNTER
FOCUS
is it even possible that a multispecies
graphic designer is a proclaimed?

Thinking with
hands

DEVELOPING
SKELETON
Sketching
(making a body)

NONMUSIC
OF NON PLACES

what are
SOUND MATERIAL
CONTEXT
OF SOUND

capitalism
production

Multispecies
communication
Simplification
as communication

EXPENSIVE
NATURE
ENV. POLICIES
PRODUCTION STRUCTURES
ESSAY TO SEE EXPENSIVE

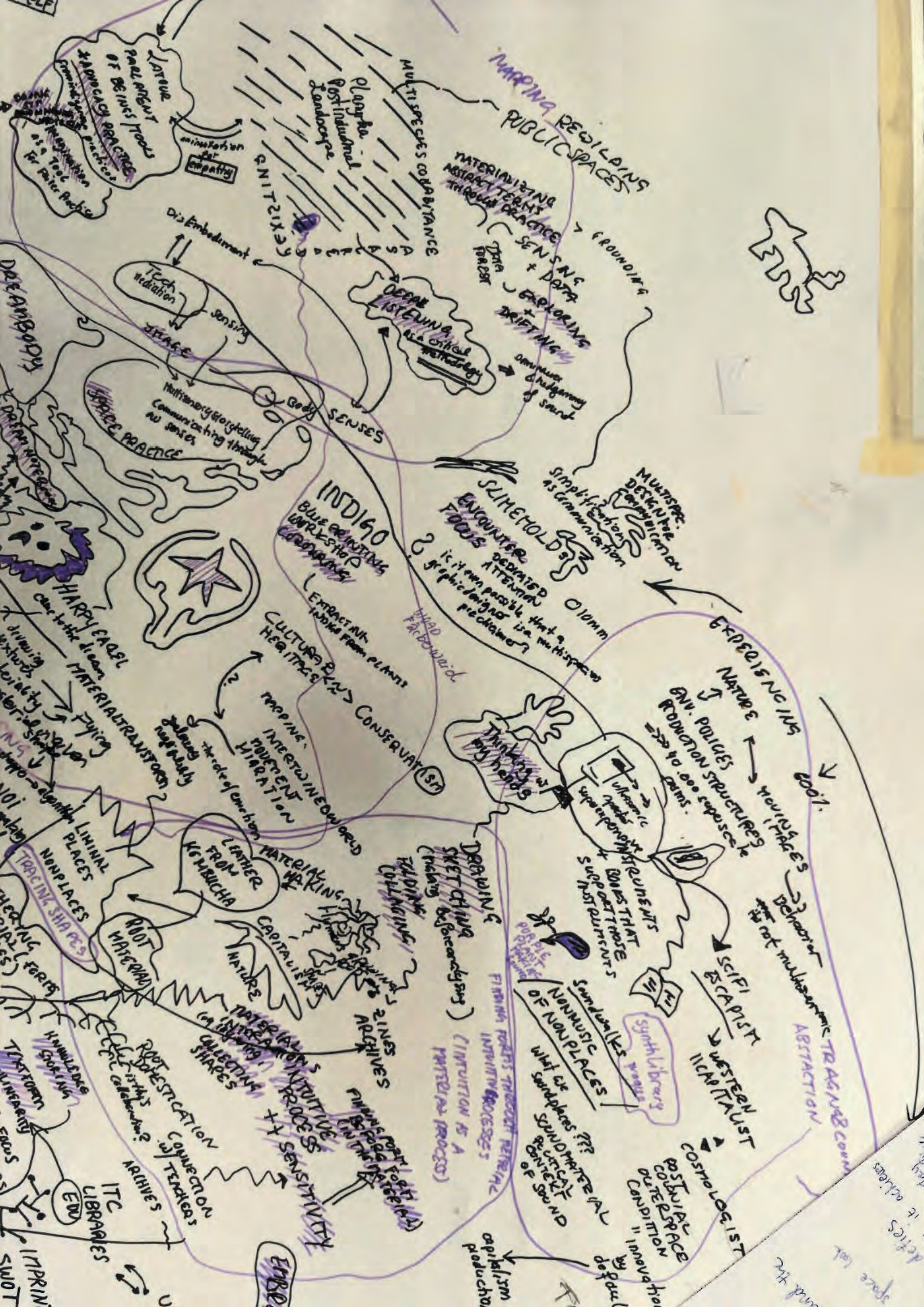
SCIFI
ESCAPISM
WESTERN
LITERATURE

ABSTRACTION

COSMOLOGIST

ASTROLOGIST

CONNECTION
CONNECTION
CONNECTION



(NE)POTŘEBNÁ ZÁVISLOST ?

ZKUS NAJÍT CO NEJIDEÁLNĚJŠÍ SLOVO, KTERÉ
BY POPISOVALO NÁSLEDUJÍCÍ VZTAHY:

STROM

STROM

DISPOJENÍ

STROM

MECH

NEUTRALISMUS

LIŠEJNÍK

PREDACE

BAKTERIE

KOMPETICE



Představ si, že jsi v lese.

Tiše našlapuješ po mechu mezi stíny stromů a ve vzduchu cítíš známou vůni zeminy. Vše kolem tebe se probouzí a žije. Stáváš se součástí většího celku. Ale jaká je v něm tvoje role? A jaké vztahy jsou mezi jednotlivými organismy, které sdílí prostor s tebou? Pojmenovat tyto skutečnosti někdy není tak jednoduché, jak se zdá. Stromy mezi sebou mohou zároveň komunikovat pomocí kořenových srůstů, zároveň bojovat korunami o svůj prostor na výsluní. Mech může stromu poskytovat potřebné prostředí pro růst hub a zároveň narušovat jeho kůru a umožňovat vznik patogenů.

Lišejníky, představující živoucí symbiosu
řasy a houby porůstá klidně strom,
kterému nemusí dělat nic, ale i může
v krajním případě ohrozit jeho existenci.
Hranice mezi tím, kdo je přítel a
protivník se (může velmi rychle otáčet.
A co ty? Jsi přítelem lesa?

ETISPECIES
CONTEXT QUESTY
TO POLITIANS

OTHER
LISTENING
POLITICALLY
CHARGED C
TEXTS.
HERBARIUM
RESISTANT
PLANTS
ILLEGALLY
WOOD



HOW, WHAT
AND UNDERSTAND

MESS IS
CRUCIAL FOR
FLORISHING

NIKDO
NENI-
JEDEH

MEDIAVAL
PHARMACIST

WHAT
WHO IS THE PUBLIC
MAP-LE SOUND
SYNTH LIBRARY.
LEARNING.
NON-HIERARCHY.
MAKING SPACE.
SOUND WALKS.
NON-POSITIVE OF
NEW PLACES
LEARNING.

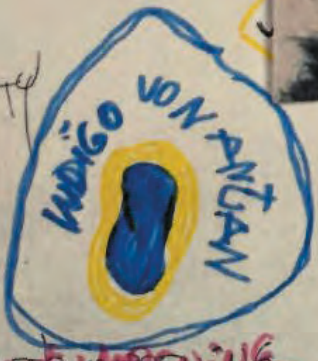
CAT'S
DANCE

ulti-species research - collaboration



CAN A
KEZ
ly
WORDS

TRIDGES -
ES FOR UNCERTAINTY
OF IMAGINATION
UATION AS A SENSE
FOR US TO TEST WHAT'S HAPPENING



Non-
THE CRACKS - UNNOTICED -



















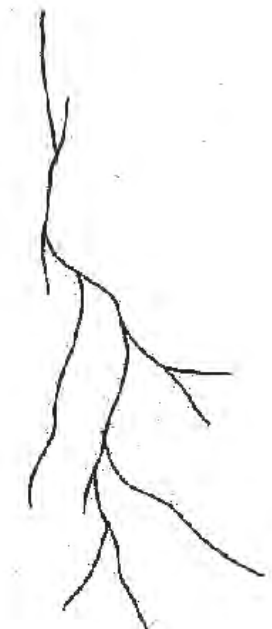
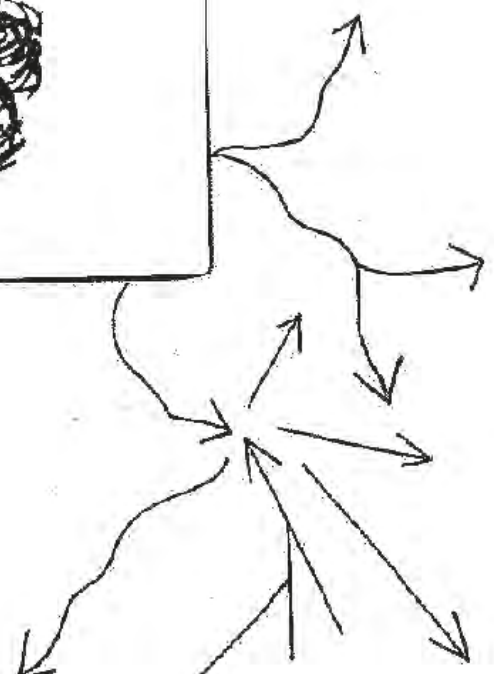
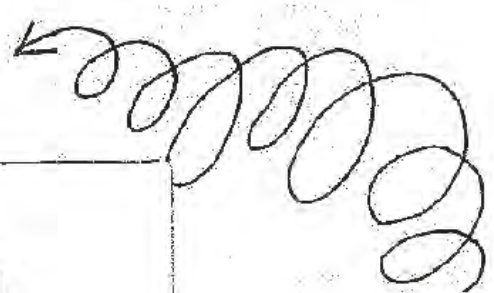
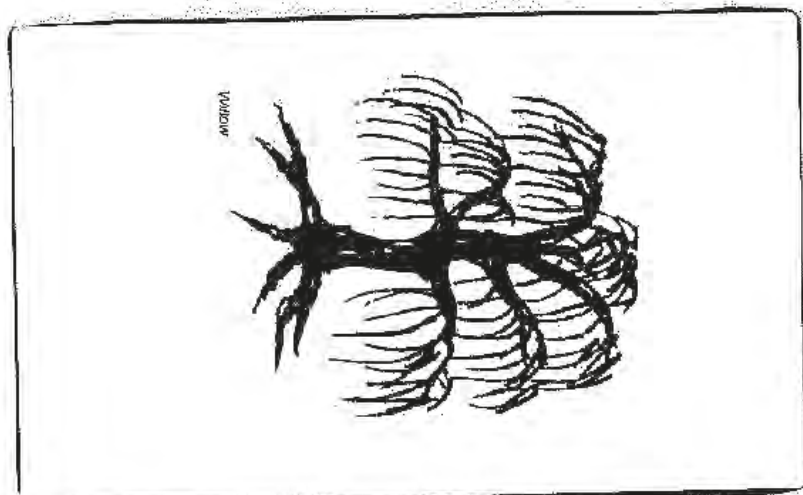
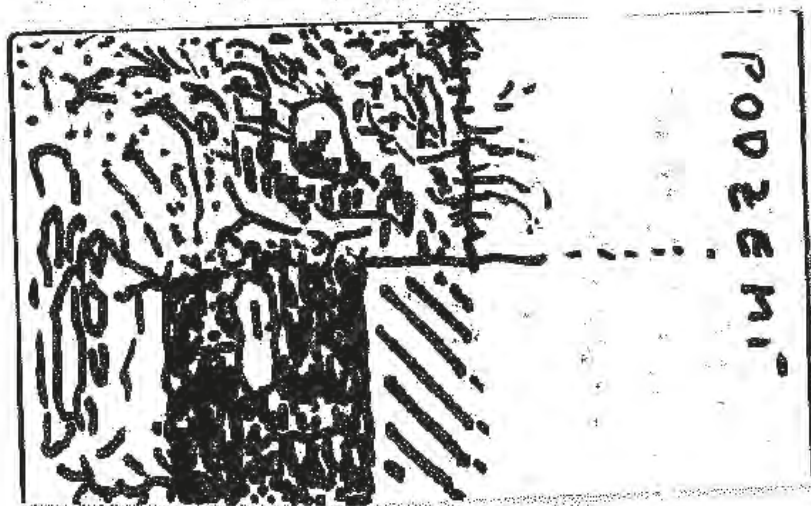
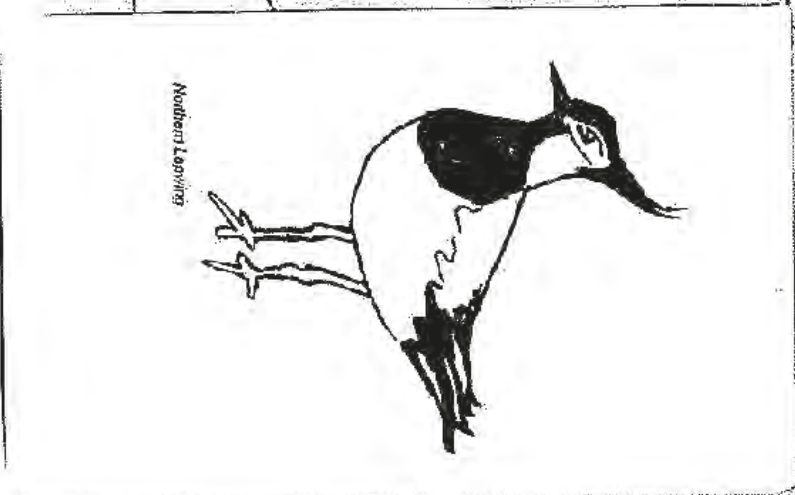


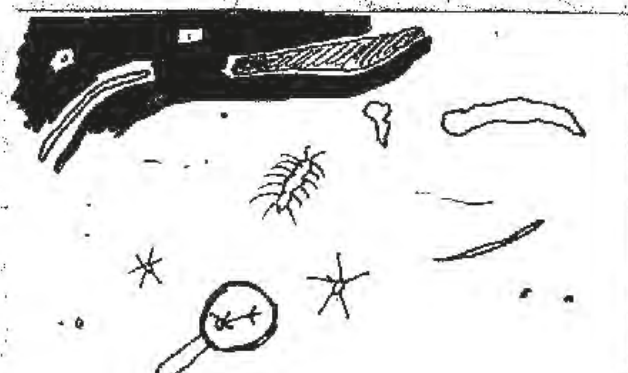














NO WORDS NEEDED.





Umwelt

language failure

capitalism

more-than-human





SEARCHING

FOR

PUD

POUJĚ

VJEMOVAT

PRAVJEM

POUJĚ

VJEMOVAT

PRIL

UNVEILING

ATTENTION

FIGURE



moudrost

my tv mame

SENSATION IS AN INVITATION



Č I Š T Ě N Í

U C H Δ

[EΔB CLEANING]

WHY ARE WE
CLEANING
OUR EΔRS?

WHOM DO WE WISH
TO HEAR?

WHAT ARE WE AFRAID OF
MISSING?

EXPLORE THE LOCAL SOUNDSCAPE AS IF YOUR FEET WERE EARS. WHOSE VOICE CAN YOU HEAR? WHAT REMAINS UNHEARD, WHAT MIGHT HAVE BEEN SILENCED?

WHAT REMAINS UNHEARD,
STILL?

I TOOK MY EΔRS FOR Δ WALK INTO THE FOREST:
TRYING TO LISTEN INWARDS.
I HEARD THE TIME MOVING SLOWLY.

THE BEE FLEW INTO MY EAR AND WHISPERED:
"ŽÚROVEC NENÍ PŘÍČINA ALE DÚSLEDEK!"

AND BY THE WAY:
BABSKÉ UCHO (SALVIUM) HAS ALWAYS BEEN HERE TO
LISTEN AND CLEAN YOUR MANY SELVES.

VŠECHNO CO SE STANE,
SE UŽ NĚKDY STALO.

Č I Š T Ě N Í
U C H Δ
[EΔR CLEANING]

WHY ARE WE
CLEANING
OUR EARS?

WHOM DO WE WISH
TO HEAR?

WHAT ARE WE AFRAID OF
MISSING?

WHAT REMAINS UNHEARD,
STILL?



I TOOK MY **EARS** FOR A WALK WITH THE FOREST:
TRYING TO LISTEN INWARDS,
I HEARD THE TIME **MOVING** SLOWLY,

THE BEE **FLEW** INTO MY EAR AND WHISPERED:
"KŮROVEC NENÍ PŘÍČINA ALE DŮSLEDEK!"

AND BY THE WAY:

BABSKÉ LCHO (**SALVIUM**) HAS ALWAYS BEEN HERE TO
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VŠECHNO CO SE **STANE**,
SE UŽ NĚKDY **STALO**.







GAP GAP >X< TRHLINA RIFT KŘEHKOST CRACK
PRASKLINA WOUNDS SPACE WOUNDS PRINTS MIZE-
JÍCÍ ROZPLÝVAJÍCÍ SE TOGETHER DISEMBLEMENT GROWING
THROUGH EACH OTHER MEZISPONOVÁ INTERCONNECTION SPOLU-
TVORSTVO NURTURING COOPERATION HOW TO DO EMBODIED PRA-
CTISES IN VIOLENT ENVIRONMENT NEED FOR CHAOS SYSTEM
ROZVÍŘIT ROZRUŠIT SHIR UP ROVNOSTRA MICRO VS MACRO
SROSTENEC SYMBIOSIS WELLBEING COMMUNICATION HUMAN
FOREST (KOLEKTIVNÍ HOUBITELSKOST) HLOUBKOVÝ ŽIVOTVAR
ČAS ČLOVĚKA [ANTHOS] ČAS PŘÍRODY [KATOS] ŽIVÝ ROZENÍ
SPIRALS LIMITED LINES RIGID VS. FLEXIBLE FALLING TREES
FALLING TREES QUANTITY INCONSISTENCY = CONSISTENCY
TENDERNESS MORE WILDERNESS SCARFOLD POKLES ROZMYSLIT
MYSTERIOUS UNKNOWN INITIATE MATERIAL SHAKING ŽIVÁ POKLES
SKRZE MECH VIDĚT SKRZE STROM. INTENANTY PŘES MECH DŘEVO
NUSIT SE NEVLEAČABLE INEGRATION LINE MABLENÝ NEJOTNĚJŠÍ
PHOTO SPECIES LIVING SHELTER CONSCIENCE VILHANTON
TOMTAS GEOLOGE TAILING HUMAN PROJECTION? SWEET OTHER STEEP
DISTANCE VENEY VYAN VYANESS LANGUAGE ŽEJBYT NEJHUSŠÍ DIALOG
FRIGID X VÍCE KALICKA V HERE TEMELIN V OBORY PŘEKVÁNÍ BUD
VÍCE KŘEHKOST LAYERS SPOUSEE POROZUMĚT SVRTEK LENDOBINE
KNOWING SENSING RESONANCE TICHÝ SINTENTION C. VYŠET
VEMTE SE ZEMĚ AN EXITATION FOR CONVEYING PERCEPTION VYŠET
INFRA-ORBITAL POTKANÍ AN EXITATION TRANSFORMATION STRANAY FOUND
OVERSHARING OVERPERCEIVING HUMAN AS A QUEST FOR A HOST
BODIES OF EVENTS [HYPEROBJECTS] MY MÁME TV MOUDROST BEING
RESEARCHED BY BIRDS/SPIDERS HUMAN ROLE







MULTISPECIES RESEARCH ALMANAC

VERSION 1

COMPILED IN BUDWEIS, AUGUST 2025

THE ALMANAC WAS MADE POSSIBLE THANKS TO THE ABS BIOLOGICA INDEPENDENT STUDIES (ABIS) PROGRAM, ORGANISED WITHIN THE BUDWEIS - EUROPEAN CAPITAL OF CULTURE 2028 PROJECT: WWW.BUDEJOVICE2028.EU

THE ABIS PROGRAM IS COORDINATED BY THE UROBOROS COLLECTIVE: WWW.COLLECTIVE.UROBOROS.DESIGN

A WARM THANKS TO THE BUDWEIS PROJECT TEAM FOR THEIR SUPPORT THROUGHOUT THE SUMMER SCHOOL, TO FILIP HOLUB FOR A KIND GUIDANCE THROUGH THE FOREST, AND ALSO TO OUR MAIN SCHOOL PARTNERS: THE ACADEMY OF FINE ARTS IN PRAGUE (AVU) AND THE OSLO SCHOOL OF ARCHITECTURE AND DESIGN (AHO)



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